

What is claimed is:

1. A two-way wireless security system network comprising:
 - a security system including one or more sensors, said security system generating a first signal type according to a first signal protocol in response to a condition detected by said one or more sensors;
 - a two-way wireless communication subsystem including a microprocessor for converting said first signal type into a standard over-the-air wireless protocol and a wireless interface unit for transmitting a second signal type corresponding to said standard over-the-air wireless protocol to a wireless communications carrier service and for receiving over-the-air data from said wireless communications carrier service which is convertible to instructions and conveyable to said security system; and
 - a computing device in communication with the wireless communications carrier service including a database table for converting said second signal type into a predefined signal format usable by an identified monitoring company and including a conveyance device for conveying said predefined signal format to said identified monitoring company.

2. A method of operating a wireless security system network comprising:
 - generating a first signal type based on a condition sensed by a security sensor,
 - converting said first signal type into a standard over-the-air wireless protocol,
 - transmitting a second signal type corresponding to said standard over-the-air wireless protocol to a wireless communications carrier service,
 - converting said second signal type into a predefined signal format usable by an identified monitoring company, and
 - conveying said predefined signal format to said identified monitoring company.